



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2002143210 A**(43) Date of publication of application: **21.05.02**

(51) Int. Cl.

A61F 13/00**A61L 15/16**(21) Application number: **2001005229**(22) Date of filing: **12.01.01**(30) Priority: **04.09.00 JP 2000266951**(71) Applicant: **HOGI MEDICAL:KK**

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(54) ABSORBENT COVERING-PROTECTING MATERIAL FOR WOUND USING CELLULOSE SPONGE, AND ITS MANUFACTURING METHOD

(57) Abstract

PROBLEM TO BE SOLVED: To provide an absorbent covering-protecting material for wound which is more excellent in absorbency and liquid-retention than an absorbent covering-protecting material for wound comprising a cellulose sponge which is coagulated to be thin, and at the same time, the shape-retention and the strength of which are increased, and in addition, for which a reinforcing material can be used, and the workability of which is improved, and by which a hemostatic medical treatment effect on a wound can be increased, and its manufacturing method.

SOLUTION: For a sponge stock solution, viscose and a crystalline mirabilite are mixed as the major raw materials, and a reinforcing material is not contained. Alternatively, the sponge stock solution contains a natural fiber having a length of at least 5 to 40 mm as the reinforcing material, and viscose and the crystalline mirabilite are mixed as the major raw materials. Then, such a sponge stock solution is coagulated by applying a heat treatment, and is formed to be slightly thicker than a desired thickness, and compressed to obtain a sheet-form of the desired thickness. In addition, the hydroxyl group in a glucose

unit constituting the cellulose sponge is transformed into carboxymethyl in such a manner that the substitution degree may become 0.5 to 1.0 when required, and cuts are provided to form this absorbent covering-protecting material for wound.

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